



HEALTH & HUMAN SERVICE CAREERS DEPARTMENT  
**SURGICAL TECHNOLOGY PROGRAM**  
Associate in Applied Science Degree

**GENERAL INFORMATION**

The surgical technologist is a member of the surgical team, generally working in hospital operating rooms, acting as the primary scrub person who handles the sterile instruments, supplies, and equipment necessary for operative procedures. The surgical technologist works with the surgeon, anesthesiologist, certified registered nurse anesthetist, registered nurse, and licensed practical nurse.

The Lansing Community College Surgical Technology Program is designed to cover both the academic and clinical skills necessary to perform as a surgical technologist; and has been accredited since April 22, 1999 by:

*The Commission on Accreditation of Allied Health Education Programs (CAAHEP).*  
1361 Park Street  
Clearwater, FL 33756  
727/210-2350  
[www.caahep.org](http://www.caahep.org)

The program begins fall semester of each year. Certain prerequisite courses must be completed prior to admission to the professional portion, the 2<sup>nd</sup> year, of this program.

**ASSOCIATE DEGREE:** Students who plan to complete this associate degree program must follow the Phase I and Phase II guidelines for Admission Ranking. Students will follow the curriculum as shown on page 5.

Surgical technologists who take and pass the certifying examination offered by the NBSTSA (National Board for Surgical Technology and Surgical Assisting), are certified and authorized to use the initials CST to designate their status as a Certified Surgical Technologist. Certification can be a means of upward mobility, a condition of employment, a route to higher salary, and/or a source of national recognition.

**PHYSICAL GUIDELINES FOR STUDENTS:** Students must be able to:

1. **STRENGTH:** Perform physical activities requiring ability to push/pull objects more than 50 pounds and to transfer objects of more than 100 pounds.
2. **MANUAL DEXTERITY:** Perform motor skills such as standing, walking, writing, handshaking; manipulative skills such as writing, typing; calibration of equipment; venipuncture, and handling instruments.
3. **COORDINATION:** Perform body coordination such as walking, filing, retrieving equipment, eye-hand coordination such as keyboard skills; tasks which require arm-hand steadiness such as taking blood pressures, calibration of tools and equipment, and handling equipment.
4. **MOBILITY:** Perform mobility skills such as walking, standing, and occasionally prolonged standing or sitting in uncomfortable positions.

5. VISUAL ABILITY: See objects far away and to discriminate colors and to see objects closely as in reading faces, dials, monitors, and medication labels.
6. HEARING: Hear normal sounds with background noise and distinguish sounds.
7. CONCENTRATION: Concentrate on details with moderate amount of interruptions.
8. ATTENTION SPAN: Attend to task/functions for periods up to 60 minutes in length and exceeding 60 minutes in length.
9. CONCEPTUALIZATION: Understand and relate to specific ideas, concepts, and theories generated and simultaneously discussed.
10. MEMORY: Remember task/assignments given to self and others over both short and long periods of time.
11. CRITICAL THINKING: Possess critical thinking ability sufficient for clinical judgment. Apply theoretical concepts to clinical settings.
12. INTERPERSONAL: Use interpersonal skills sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
13. COMMUNICATION: Communicate effectively for interaction with others in verbal, non-verbal and written form. Explain treatment procedures and initiate health teaching.
14. SUBSTANCE ABUSE: Evidence of no current alcohol or drug abuse, or felony convictions related to alcohol or drug abuse.
15. SEQUENCING: Remember and execute tasks and skills in a predetermined arrangement of succession, building upon consecutive steps.

### **ENVIRONMENTAL CONDITIONS**

The surgical technologist may be exposed to a variety of substances within the work environment. You can expect to be exposed to blood, body tissues or fluids, electrical hazards, hazardous waste materials, radiation, chemicals, and loud or unpleasant noises. **Upon acceptance into the program students will be required to complete an online OSHA Blood-Borne Pathogen and Universal Precautions training session, which must be completed prior to the first day of clinical practice.**

### **CRIMINAL BACKGROUND CHECK**

Admission to the Surgical Technology Program will be denied if an individual is precluded from proving clinical privileges due to a criminal record pursuant to MCL 333.20173a.

**SELECTIVE ADMISSION REQUIREMENTS**

May 1, 2010 Application Deadline

*This deadline is contingent upon availability of space in the program.  
 If seats are still available after the May grade review, applications will still be accepted; contact Enrollment Services.*

This program is a selective admission program. All admission procedures are coordinated through the Enrollment Services Office. They are responsible for distributing, receiving, and dating application forms. Therefore, any student desiring admission into this program should contact the Enrollment Services, Gannon Building Building-Suite 203 (517/483-1200, email at [selective\\_admissions@lcc.edu](mailto:selective_admissions@lcc.edu)) to receive an application. The student may then contact the program advisor for further information.

Students meeting Phase I Admission Requirements will be ranked for admittance into the program using a point value system. Points will only be awarded to students who meet the Phase I Admission Requirements at the time selection for students for admission is made.

The student applicant is responsible for providing verification of other information not contained in the current Lansing Community College official transcript.

**PHASE I - ADMISSION REQUIREMENTS**

1. An application for selective admission must be submitted to the Enrollment Services Office.
2. Graduation from an accredited high school or satisfactory completion of the General Education Development (GED) examination with an average score of 45 with no score less than 35.
3. Send official transcripts from all colleges attended if you wish to transfer courses toward the surgical technology program at Lansing Community College. If you only wish to prove that you have a degree to receive Phase II points, bring your official diploma to the Enrollment Services Office at Lansing Community College to be copied. If you are sending an official transcript, it must be mailed directly from the college to: 1121-Enrollment Services, P.O. Box 40010, Lansing, MI 48901-7210.
4. Show evidence of good physical and mental health.
5. Successfully complete the following prerequisite program courses prior to admission, with a 2.5 GPA or better (except MATH 112, SPCH 110 and WRIT 121 which require a 2.0 GPA or better).

<b>COURSE CODE &amp; TITLE</b>	<b>CREDITS</b>	<b>PREREQUISITE(S)</b>
BIOL 201 - Human Anatomy	4	Reading Level 5 and Writing Level 6 and Math Level 4 and; CHEM 120 w/ 2.0 minimum or BIOL 121 w/2.0 minimum or passing score on Health Biology Proficiency Test.
BIOL 202 – Human Physiology	4	BIOL 201 w/2.0 minimum and Reading Level 5 and Writing Level 6 and Math Level 5; BIOL 121 and Chemistry recommended
CHSE 117 – Health Law and Ethics	2	Reading Level 5 and Writing Level 4
CHSE 120 - Medical Terminology (previously CHSE 121)	4	Reading Level 5 and Writing Level 4
MATH 112 - Intermediate Algebra <u>or</u> Pass the Math Proficiency Exam for MATH 112 (2.0 GPA)	0-4	MATH 107 w/2.0 min within 2 yrs, or Math Level 5; and Reading Level 5 and Writing Level 4.
SPCH 110 – Oral Communication in the Workplace	3	Reading Level 5 and Writing Level 6
SURG 103 – Surgical Asepsis	2	
WRIT 121 – Composition I	4	Reading Level 5 and Writing Level 6
MGMT 234, SOCL 260, SPCH 280 - Global Perspectives & Diversity Core Area	3	See Schedule Book

NOTE: Applicants transferring mathematics from another college must have equivalent credit to Lansing Community College's MATH 112 - Intermediate Algebra with a 2.0 or better. Applicants with a bachelor's degree will have LCC Core Education requirements waived, but must show proficiency in MATH 112 and BIOL 201 and 202.

**CORE Education Requirements:**

Core requirements will be met in all areas (except Global Perspectives and Diversity) by completing the preferred/recommended prerequisite program courses (shown in parentheses). For Global Perspectives and Diversity the **bolded** courses are preferred/recommended by the program. Note: Other core courses can be chosen for all Core categories, as listed in the college catalog.

Communication Core Area	(SPCH 110)
Mathematics Core Area	(MATH 112)
Science Core Area	(BIOL 202)
Writing Core Area	(WRIT 121)
Global Perspectives & Diversity Core Area	<b>MGMT 234, SOCL 260, SPCH 280</b>

**PHASE II - ADMISSION RANKING**

<p>1. Residency (Points are based on student's residency status at the start of spring semester of the year of application.                  See <a href="http://www.lcc.edu/schedule/pdfs/8_steps_brochure.pdf">http://www.lcc.edu/schedule/pdfs/8_steps_brochure.pdf</a> for residency policy.)                  ⇒ Residency within the LCC district                  ⇒ All others (out-of-district, out-of-state, and international)</p>	<p>10 pts. 5 pts.</p>
<p>2. Grade point average (GPA: Total Combined) in BIOL 201, BIOL 202, CHSE 117, CHSE 120, and SURG 103, will determine the following points to be assigned:                  ⇒ 3.5 – 4.0                  ⇒ 3.0 – 3.4                  ⇒ 2.6 – 2.9</p>	<p>25 pts. 15 pts. 5 pts.</p>
<p>3. Grade point average (GPA: Total Combined) in ALL nine (9) prerequisite courses will be utilized for the following dissemination of points:                  ⇒ 3.5 - 4.0                  ⇒ 3.0 - 3.4                  ⇒ 2.6 - 2.9</p>	<p>25 pts. 15 pts. 5 pts.</p>
<p>4. No withdrawal and/or repeat of CHSE 117, BIOL 201, CHSE 120 and SURG 103</p>	<p>5 pts.</p>
<p>5. Previous postsecondary education.                  ⇒ Baccalaureate or Master's Degree                  ⇒ Associate Degree                  ⇒ 10+ credits toward a degree, Associate or Baccalaureate, not to include CHSE 117, BIOL 201, CHSE 120 and SURG 103</p>	<p>10 pts. 5 pts. 3 pts.</p>
<p>6. Prior Work Experience with direct patient care in a health care field.                  ⇒ 10+ years                  ⇒ 5 – 9 years                  ⇒ 1 – 4 years                  ⇒ Less than one year</p>	<p>7 pts. 5 pts. 3 pts. 1 pt.</p>
<p>7. Qualified applicants who have applied more than once without admission to the program                  ⇒ 3 applications                  ⇒ 2 applications</p>	<p>3 pts. 2 pts.</p>

\* All work experience and observation experience requires written documentation (on employer letterhead) from the supervisor of the department in which the candidate is/was employed or had the experience.

## Master Curriculum and Cost Information Fall Semester 2010 Admission

<b>TUITION:</b> Tuition is payable at the time of registration for each semester.	
<b>Current Tuition Rates (Per Billing Hour)</b>	
In-district.....	\$ 73.00
Out of district.....	\$ 134.00
Out of state/International.....	\$ 201.00
\$5.00 per Billing Hour Facilities Fee	

<u>PREREQUISITE COURSES</u>		<b>CREDIT HOURS</b>	<b>BILLING HOURS</b>	<b>COURSE FEES</b>
<b>Fall Semester 1<sup>st</sup> Year</b>				
* CHSE 120	Medical Terminology	4.0	4.0	\$ 43.00
WRIT 121	Composition I	4.0	4.0	0.00
* BIOL 201	Human Anatomy	4.0	6.0	40.00
MATH 112	Intermediate Algebra	<u>4.0</u>	<u>4.0</u>	<u>7.00</u>
FALL TOTAL:		16.0	18.0	\$ 90.00
<b>Spring Semester 1<sup>st</sup> Year</b>				
MGMT 234/SOCL 260/SPCH 280	Preferred/Recommended CORE Course	3.0	3.0	\$ 0.00
SPCH 110	Oral Communication in the Workplace	3.0	3.0	0.00
BIOL 202	Human Physiology	4.0	5.0	40.00
SURG 103	Surgical Asepsis	2.0	2.0	50.00
CHSE 117	Health Law and Ethics	<u>2.0</u>	<u>2.0</u>	<u>16.00</u>
SPRING TOTAL:		14.0	15.0	\$ 106.00
PREREQUISITE TOTAL:		30.0	33.0	\$ 196.00
<b>Fall Semester 2<sup>nd</sup> Year *</b>				
SURG 100	Fundamentals of Surgical Technology	3.0	3.0	\$ 75.00
SURG 101	Surgical Patient	2.0	2.0	75.00
SURG 108	Surgical Pharmacology	2.0	2.0	60.00
SURG 109	Basic Operative Procedures	2.0	2.0	113.00
SURG 121	Applied Surgical Techniques I	2.0	4.0	310.00
SURG 122	Applied Surgical Techniques II	<u>3.0</u>	<u>6.0</u>	<u>480.00</u>
FALL TOTAL:		14.0	19.0+	\$1,113.00
<b>Spring Semester 2<sup>nd</sup> Year</b>				
SURG 110	Advanced Operative Procedures	6.0	6.0	\$ 140.00
SURG 111	Surgical Specialty Components & Prof Prep	2.0	2.0	60.00
SURG 123	Applied Surgical Techniques III	5.0	8.0	390.00
SURG 124	Applied Surgical Techniques IV	<u>5.0</u>	<u>8.0</u>	<u>390.00</u>
SPRING TOTAL:		18.0	24.0	\$ 980.00
PROFESSIONAL TRACT TOTAL		32.0	43.0	\$ 2,093.00
PROGRAM TOTAL:		62.0	76.0	\$ 2,289.00

**NOTE:**

1. BCLS Certification is required before entering clinical rotations
2. It is highly recommended that students be familiar with computer terminology and have minimal computer training.

\* Accepted into the program on the Professional Tract, toward completion of and Associate Degree in Applied Science/Surgical Technology.

NOTE: Tuition rates, credit hours and course fees are subject to change by action of the Board of Trustees.

ADDITIONAL COSTS (APPROXIMATE)

Registration Fees (\$25/semester).....	100.00
Textbooks.....	800.00
Lab Kit (\$300/August) & Gold Package from AST (\$300/January).....	600.00